

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Currently amended) A machine for machining or processing a conveyable material, in particular a pourable or pasty mass or a loose material, ~~wherein the machine has~~ comprising at least one outlet section ~~(2, 21, 47, 48)~~ with at least one outlet ~~(2a, 21a, 47, 48)~~, through which the conveyable material ~~(M)~~ to be machined or processed can be transported along a conveying direction ~~(F)~~ , wherein ~~characterized in that~~ the at least one outlet section ~~(2, 21, 47, 48)~~ forms at least one partial area of a channel ~~(1)~~ of the machine, and is moveably mounted relative to the channel ~~(1)~~ of the machine, ~~wherein~~ the at least one outlet section ~~(2, 21, 47, 48)~~ is being coupled with at least one source ~~(6, 7, 8, 9)~~ for oscillations, by means of which it can be made to mechanically oscillate relative to the channel ~~(1)~~ of the machine~~[[.]]~~ , and at least one outlet section in the channel of the machine is a volumetric section of the channel filled with vibratable collision elements.

2. (Currently amended) The machine according to claim 1, ~~characterized in that~~ wherein resilient ~~means~~ ~~(4)~~ devices are used to mount the at least one outlet section ~~(2, 21, 47, 48)~~ relative to the channel of the machine.

3. (Currently amended) The machine according to ~~one of the preceding claims, characterized in that~~ claim 1, wherein dampening ~~means~~ devices are arranged between the at least one outlet section ~~(2, 21, 47, 48)~~ and the channel ~~(1)~~ of the machine, ~~wherein in particular~~ and the conveyable material acts as the dampening means.

4. (Currently amended) The machine according to ~~one of the preceding claims, characterized in that~~ claim 1, wherein the at least one outlet section ~~(2, 21, 47, 48)~~ and the channel ~~(1)~~ of the machine are decoupled in terms of oscillation.

5. (Currently amended) The machine according to ~~one of the preceding claims, characterized in that~~ claim 1, wherein at least one source ~~(6, 7, 8, 9)~~ can impart to the at least one outlet section ~~(2, 21, 47, 48)~~ oscillations of a kind that exhibit a tangential and/or normal component ~~(T, N)~~ relative to ~~the~~ an inner surface ~~(5)~~ of the at least one outlet ~~(2a, 21a, 47, 48)~~ facing the conveyable material ~~(M)~~.

6. (Currently amended) The machine according to ~~one of the preceding~~ ~~claims, characterized in that~~ claim 1, wherein the at least one outlet section includes several outlet sections ~~(2, 21, 47, 48)~~ are sequentially arranged in at least one partial area of the channel ~~(1)~~ of the machine along the conveying direction ~~(F)~~ of the channel.

7. (Currently amended) The machine according to claim 6, ~~characterized in that~~ wherein at least some of the several sequential outlet sections ~~(2, 47, 48)~~ can be spaced apart along the conveying direction ~~(F)~~.

8. (Currently amended) The machine according to claim 6, ~~characterized in that~~ wherein the several outlet sections are identical to each other.

9. (Currently amended) The machine according to claim 6, ~~characterized in that~~ wherein at least some of the several outlet sections ~~(47, 48)~~ are different from each other.

10. (Currently amended) The machine according to ~~one of claims 6 to 9, characterized in that~~ claim 6, wherein the several outlet sections can be made to oscillate identically to each other.

11. (Currently amended) The machine according to ~~one of claims 6 to 9, characterized in that~~ claim 6, wherein at least some of the several outlet sections ~~(2, 47, 48)~~ can be made to oscillate differently from each other.

12. (Currently amended) The machine according to ~~one of the preceding claims, characterized in that~~ claim 1, wherein the at least one source ~~(6, 7, 8, 9)~~ for mechanical oscillations is a vibrator, and the mechanical oscillations are dampened, forced oscillations of the at least one outlet section ~~(2, 21, 47, 48)~~.

13. (Currently amended) The machine according to ~~one of the preceding claims, characterized in that~~ claim 1, wherein the at least one source ~~(6, 7, 8, 9)~~ for mechanical oscillations is a striker that generates dampened collision excitations of the at least one outlet section ~~(2, 21, 47, 48)~~.

14. (Currently amended) The machine according to claim 12, ~~characterized in that~~ wherein the at least one source for mechanical oscillations includes it has several sources ~~(6, 7, 8, 9)~~ for mechanical oscillations.

15. (Currently amended) The machine according to ~~one of claims 12 to 14, characterized in that~~ claim 12, wherein the at least one source ~~(6, 7, 8, 9)~~ for

mechanical oscillations can be actuated independently of the operating status of the machine.

16. (Currently amended) The machine according to claim 14 ~~or 15~~, ~~characterized in that~~ wherein the several sources ~~(6, 7, 8, 9)~~ for mechanical oscillations can be actuated separately from each other.

17. (Currently amended) The machine according to ~~one of the preceding claims, characterized in that~~ claim 1, wherein at least one first device ~~(10)~~ for acquiring the rheological properties of the conveyable material is arranged downstream from the respective outlet section ~~(2; 21; 47, 48)~~ in order to generate first signals at a first signal output ~~(11)~~ that characterize the physicochemical, in particular rheological properties of the material ~~(M)~~ downstream from the outlet section ~~(2; 21; 47, 48)~~.

18. (Currently amended) The machine according to ~~one of the preceding claims, characterized in that~~ claim 17, wherein at least one second device ~~(12)~~ for acquiring the rheological properties of the conveyable material ~~(M)~~ is arranged upstream from the respective outlet section ~~(2; 21; 47, 48)~~ in order to generate second signals at a second signal output ~~(13)~~ that characterize the physicochemical,

in particular rheological properties of the material ~~(M)~~ upstream from the outlet section ~~(2, 21, 47, 48)~~.

19. (Currently amended) The machine according to ~~one of claims 17 or 18, characterized in that~~ claim 17, wherein the signals of the first and/or second signal output ~~(11, 13)~~ are compared with those reference signals that characterize specific rheological properties, wherein feedback takes place within a control circuit as a function of the result from comparing the signals to activate the at least one source ~~(6, 7, 8, 9)~~ for mechanical oscillations.

20. (Currently amended) The machine according to ~~one of claims 17, 18 or 19, characterized in that~~ claim 19, wherein the signals of the first and second signal output (11, 13) are compared with each other, wherein feedback takes place within a control circuit as a function of the result from comparing the signals to activate the at least one source (6, 7, 8, 9) for mechanical oscillations.

21. (Currently amended) The machine according to ~~one of the preceding claims, characterized in that~~ claim 1, wherein the channel ~~(1)~~ of the machine and the at least one outlet ~~(2a, 21a, 47, 48)~~ of the outlet section ~~(2, 21, 47, 48)~~ run vertically.

22. (Currently amended) The machine according to ~~one of claims 1 to 20, characterized in that~~ claim 1, wherein the channel (1) of the machine and the at least one outlet (~~2a, 21a, 47, 48~~) of the outlet section (~~2, 21, 47, 48~~) run horizontally.

23. (Currently amended) The machine according to ~~one of the preceding claims, characterized in that~~ claim 1, wherein the machine is an extruder (20), and the at least one outlet section (2) is a die, in particular an extrusion die, of the extruder.

24. (Currently amended) The machine according to ~~one of the preceding claims, characterized in that~~ claim 1, wherein the machine is an extruder (20), and the at least one outlet section (2) is a melt filter (~~21~~) of the extruder.

25. (Currently amended) The machine according to ~~one of claims 1 to 22, characterized in that~~ claim 1, wherein the machine is a diecasting machine (20), and the at least one outlet section (2) is a conditioning cell of the diecasting machine.

26. (Canceled)

27. (Currently amended) The machine according to claim ~~[[26]]~~ 1, ~~characterized in that~~ wherein the collision elements ~~(41, 42)~~ form as dense a package ~~(47, 48)~~ as possible, with hollow spaces between contacting collision elements.

28. (Currently amended) The machine according to claim ~~26 or 27~~ 1, ~~characterized in that~~ wherein the collision elements ~~(41, 42)~~ can vary in size and/or shape.

29. (Currently amended) The machine according to ~~one of claims 26 to 28~~, ~~characterized in that~~ claim 1, wherein the collision elements ~~(41, 42)~~ have at least one of the following shapes: spherical, polyhedral, bar-shaped, in particular cylindrical or prismatic.

30. (Currently amended) The machine according to ~~one of claims 26 to 29~~, ~~characterized in that~~ claim 1, wherein at least one part of the collision elements ~~(41, 42)~~ consists of an electrically conductive material, and the source ~~(6, 7, 8, 9)~~ for oscillations is a source for electromagnetic oscillations, wherein the electrically conductive collision elements can be excited by the generated electromagnetic alternating fields to mechanical oscillations and/or movements.